

THE PORT AUTHORITY
OF NY & NJ



ORIGINAL, SIGNED & SEALED BY
N.Y. P.E. (OR R.A.)

Joseph R. Loring
& Associates, Inc.
consulting engineers

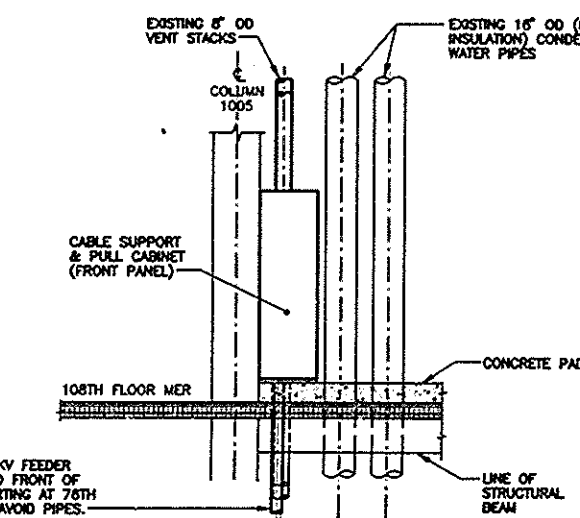
One Pennsylvania Plaza
New York, New York 10119-0045
Tel: 212 512-7400, Fax: 212 512-7382

THE OFFICE OF
DAVID
ELIOT
LEBOWITZ
P.C.

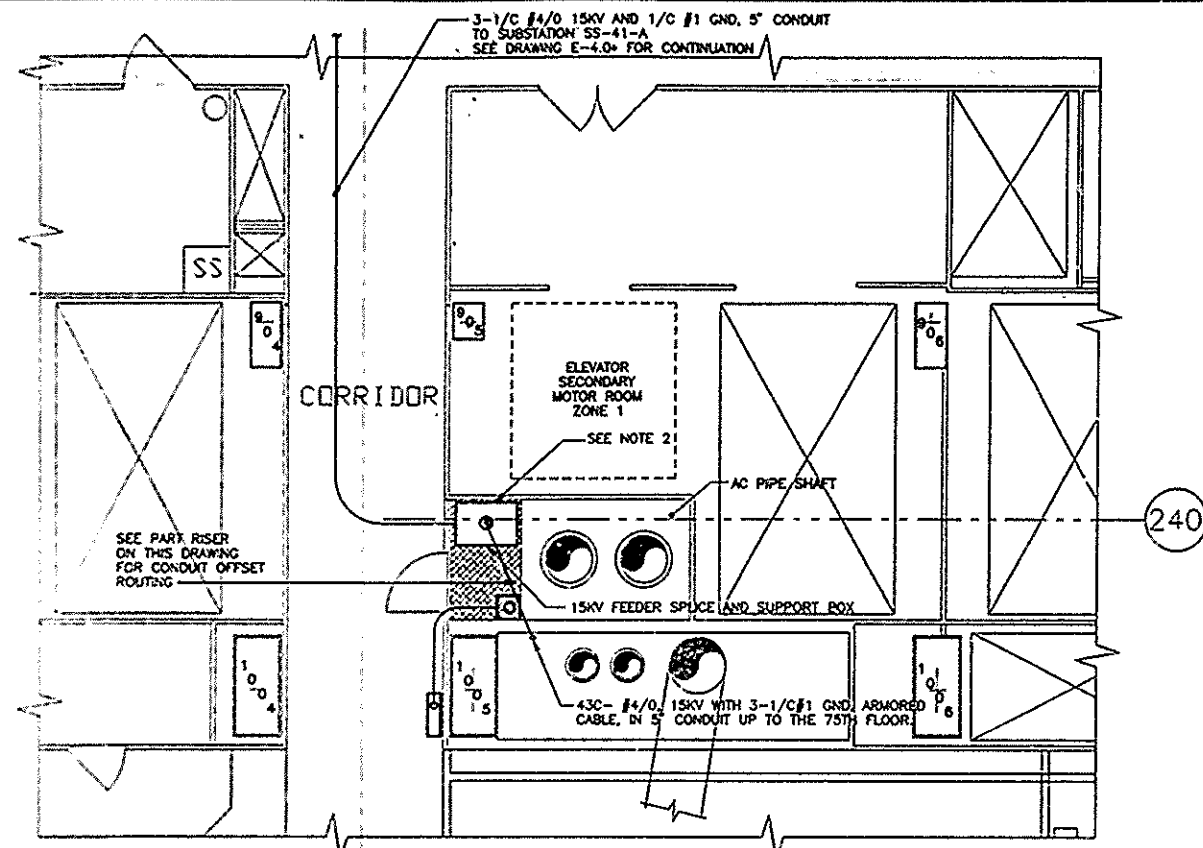
LESLIE E. ROBERTSON
ASSOCIATES, R.L.P.
CONSULTING ELECTRICAL ENGINEERS
28 EAST 47TH STREET
NEW YORK, NY 10017-0000
TEL: 212/687-0000 FAX: 212/687-0000

NOTES:

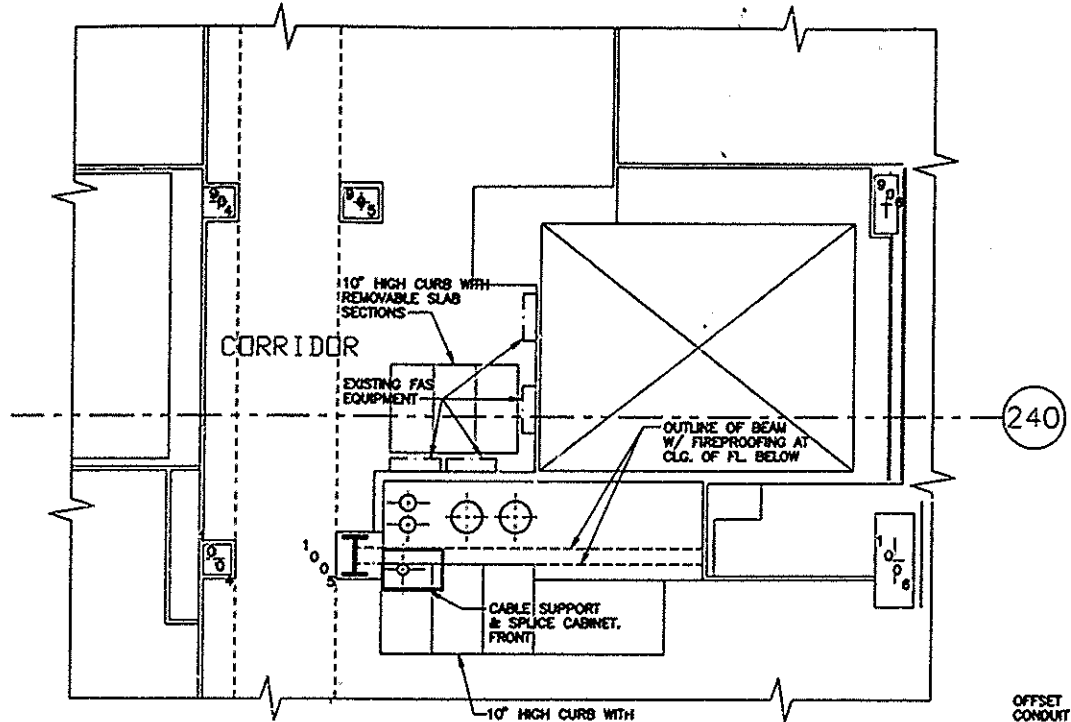
1. VERTICAL CONDUIT RUNS SHALL BE SUPPORTED AT EVERY FLOOR AND NOT EXCEEDING 25 FEET. SEE STRUCTURAL DRAWING S5-05 FOR CONDUIT SUPPORT DETAILS.
2. INSTALL TAP ADAPTER PLUGS TO 15KV WYE SPICE ASSEMBLY AND CONNECT 3-1/C 15KV FOR SUBSTATION ES-41-A SUBSTATION FEEDER. TAP GROUND CONDUCTORS WITH 1/1 CONDUCTOR.
3. FOR TYPICAL INSTALLATION DETAIL OF 15KV ARMORED CABLE SUPPORT SPICE AND PULL CABINET AT 7TH AND 10TH FLOOR SEE DWG. E4-02.
4. 15KV 3/C WIRE ARMORED AND 1/C NON-ARMORED PARALLEL-TO-BE INSTALLED IN RACEWAY AS PART OF THIS WORK.



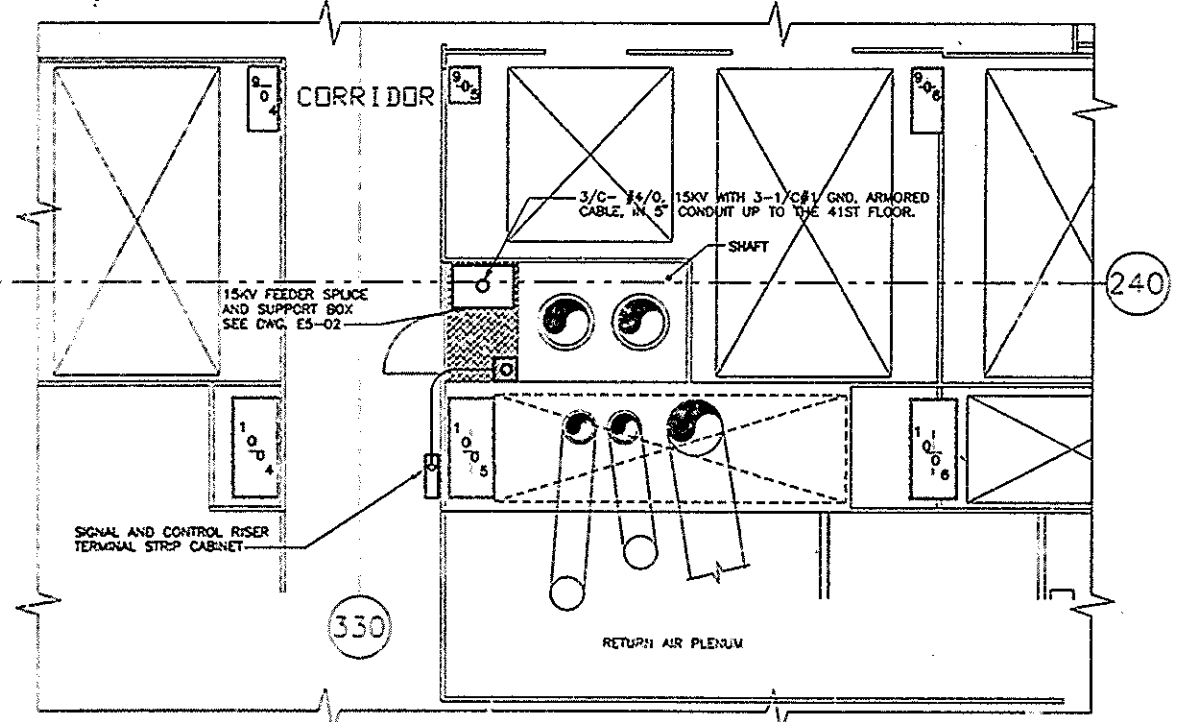
FRONT ELEVATION AT TOP OF CW
PIPE SHAFT ON 10TH FLOOR MER FOR
LOCATION OF CABLE SUPPORT & PULL CABINET



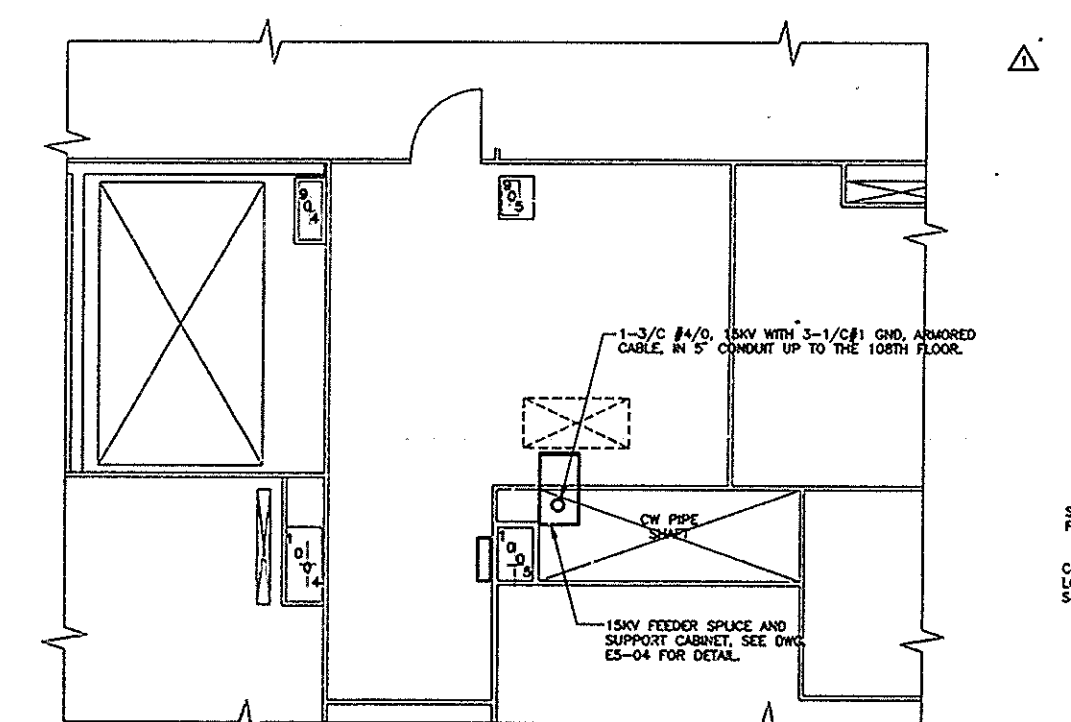
PART PLAN (MER) 41ST FLOOR



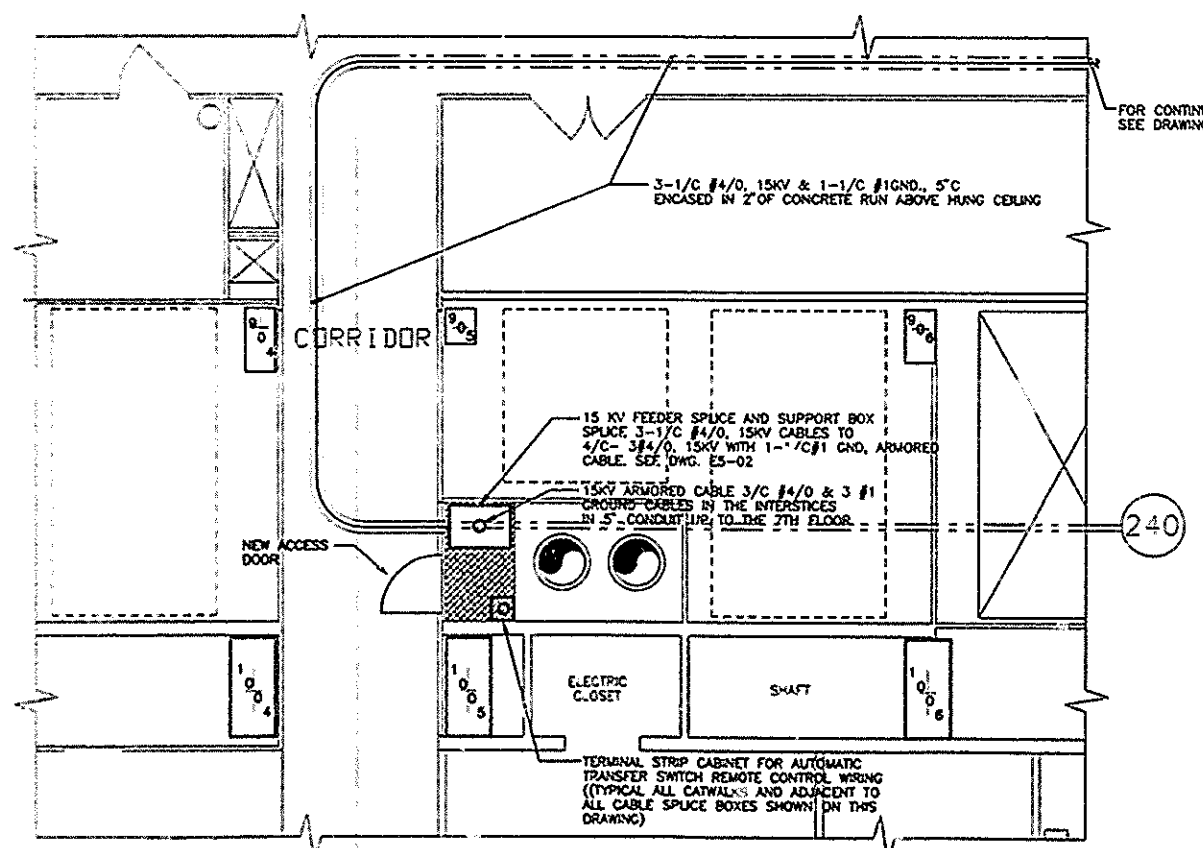
PART PLAN 10TH FLOOR
15KV FEEDER RISER CABLE
SUPPORT AND SPICE CABINET



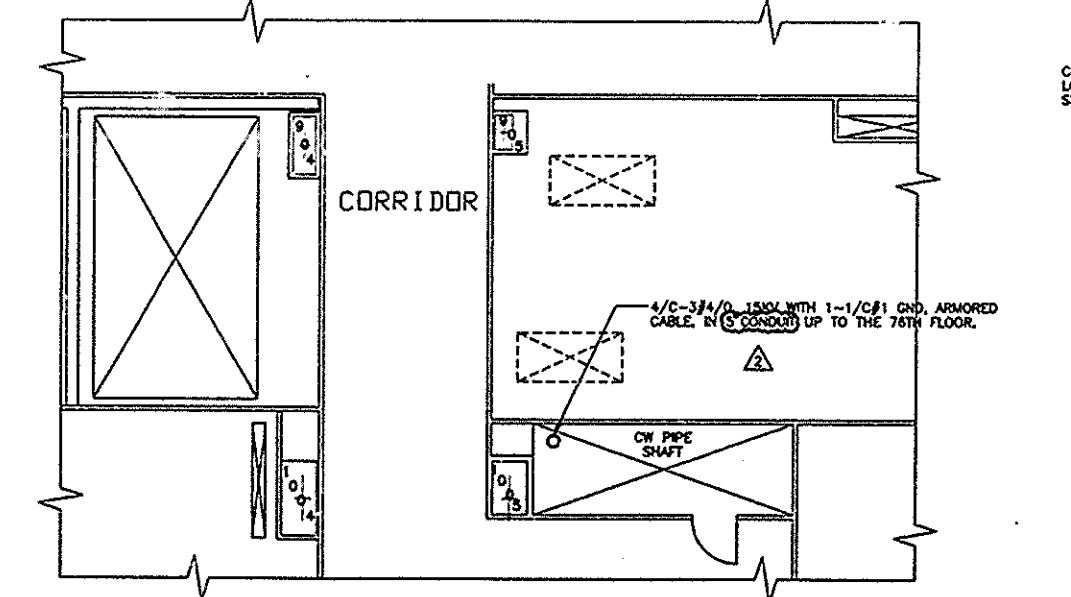
PART PLAN UPPER LEVEL 7TH FLOOR



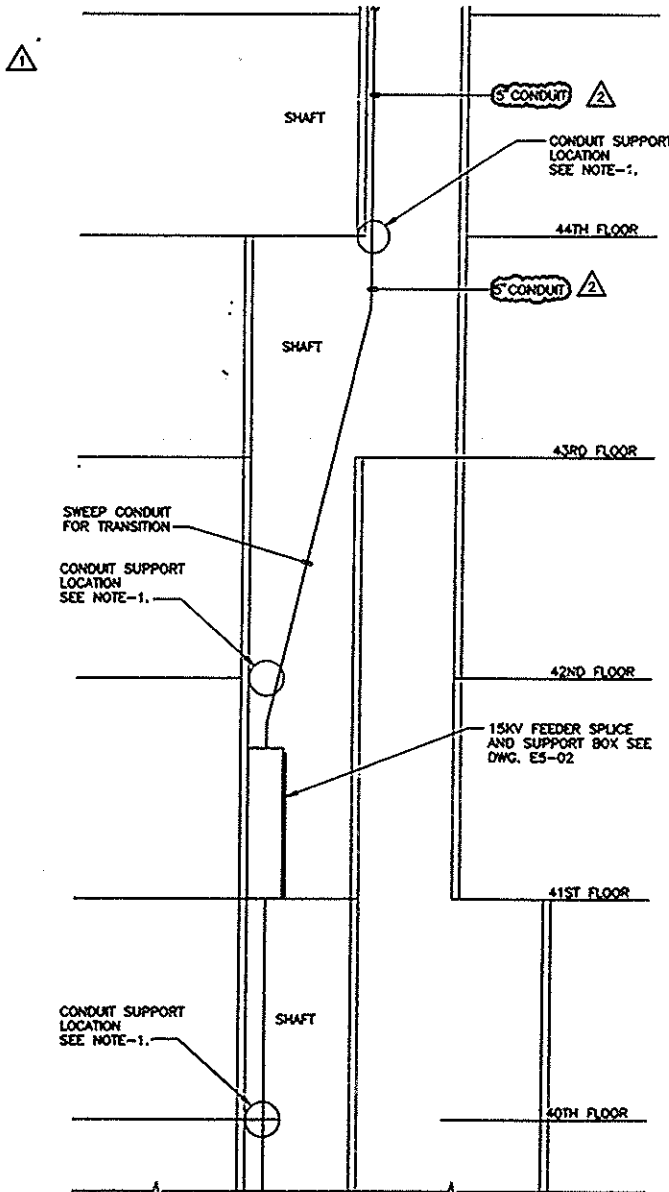
PART PLAN 76TH FLOOR



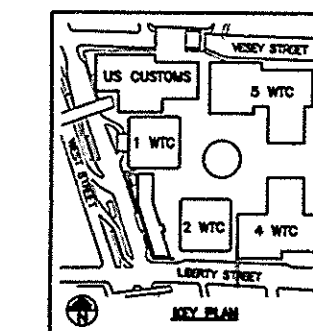
PART PLAN B2 LEVEL



PART PLAN 75TH FLOOR



PART RISER - 15KV FEEDER



I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT
COPY OF ONE OF THE CONTRACT DRAWINGS CON-
STITUTING A PART OF CONTRACT NO. 117C-94-071
IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT
THE TIME THE SAID CONTRACT WAS EXECUTED BY
THE PARTIES.
DATE 11/16/98 *William A. Arden*
DATE 11/16/98 *P.K. Arden*
ENGINEER OF DESIGN

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STANDBY POWER
5 WORLD TRADE CENTER

ELECTRICAL

2 WTC 15.0KV
FEEDER RISER PART
PLANS & DETAILS

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
therein are reserved to Port Authority and
may not be used without its written consent.

F.P.P. M.A.R.
Designed by Drawn by Check by
Date 11/17/97 Scale AS NOTED
Contract Number Drawing Number
WTC-945071 E5-01